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| S29 | 41 | S28 with albumin | US-PGPUB; USPAT | ADJ | ON | 2005/07/01 16:37 |
| S30 | 6 | S29 with fusion | US-PGPUB; USPAT | ADJ | ON | 2005/07/01 16:37 |

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| | SINCE FILE | TOTAL |
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| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.42 | 0.42 |

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AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONESCI, CROPB,
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=> s (gfp-1 or glucagon-like) (10a) fusion (10a) albumin

1 FILE ADISINSIGHT

1 FILE BIOSIS

4 FILE CAPLUS

23 FILES SEARCHED...

2 FILE DDFU

28 FILE DGENE

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31 FILES SEARCHED...

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L1 QUE (GLP-1 OR GLUCAGON-LIKE) (10A) FUSION (10A) ALBUMIN

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=> s 11
 L2 51 L1

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 L3 48 DUP REM L2 (3 DUPLICATES REMOVED)

=> d 13 trial 1-5
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L3 ANSWER 1 OF 48 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
 AN 2005:34855 CAPLUS
 DN 142:141240
 T1 Albumin fusion proteins for stabilization of therapeutic proteins in
 storage
 IN Haseltine, William A.; Rosen, Craig A.
 PA Human Genome Sciences, Inc., USA
 SO PCT Int. Appl., 884 pp.
 CODEN: PIXXDZ
 DT Patent
 LA English
 FAN.QNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2005003296 | A2 | 20050113 | WO 2004-US1369 | 20040120 |
| WO 2005003296 | A3 | 20050421 | | |
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ANSWER 2 OF 48 USPATFULL on STN
 AN 2005:63530 USPATFULL
 T1 Albumin fusion proteins
 IN Rosen, Craig A., Laytonville, MD, UNITED STATES
 Haseltine, William A., Washington, DC, UNITED STATES
 PI US 2005054570 A1 20050310
 AI US 2004-775180 A1 20040211 (10)
 RLI Continuation of Ser. No. WO 2002-US40892, filed on 23 Dec 2002, PENDING
 PRAI US 2001-34181P 20011221 (60)
 US 2002-36000P 20020228 (60)
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INDEX 'ADISCI', ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOSBUSINESS, BIOMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPE, CROPU, DDFU, DDFU, DGENE, DISSABS, ...' ENTERED AT 16:51:29 ON 01 JUL 2005
SEA (GLP-1 OR GLUCAGON-LIKE) (10A) FUSION (10A) ALBUMIN

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1 FILE BIOSIS
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L1 QUE (GLP-1 OR GLUCAGON-LIKE) (10A) FUSION (10A) ALBUMIN

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L3 48 DUP REM L2 (3 DUPLICATES REMOVED)

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US 2002-370227P 20020408 (60)

DT Utility

FS APPLICATION

LN.ONT 20949

INCL INCLM: 514/012.000

NCL INCLM: 530/363.000

NCL NCLM: 514/012.000

NCL NCLM: 530/363.000

IC (7)

ICM: C07K014-765

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L3 ANSWER 3 OF 48 PROMT COPYRIGHT 2005 Gale Group on STN

ACCESSION NUMBER: 2004:682453 PROMT
TITLE: ALBUGON Human Genome Sciences licensing agreement
GlaxoSmithKline licensing agreement Human Genome Sciences
preclinical data.(Brief Article)

SOURCE: R & D Focus Drug News, (22 Nov 2004)

PUBLISHER: IMSworld Publications Ltd.

DOCUMENT TYPE: Newsletter

LANGUAGE: English

WORD COUNT: 212

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L3 ANSWER 4 OF 48 PROMT COPYRIGHT 2005 Gale Group on STN

ACCESSION NUMBER: 2004:647355 PROMT
TITLE: GSK licenses Human Genome Sci's Albugon.(GlaxoSmithKline
PLC, Human Genome Sciences)(Brief Article)

SOURCE: Pharma Marketletter, (1 Nov 2004)

PUBLISHER: Marketletter Publications Ltd.

DOCUMENT TYPE: Newsletter

LANGUAGE: English

WORD COUNT: 163

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L3 ANSWER 5 OF 48 IMSDRUGNEWS COPYRIGHT 2005 IMSWORLD on STN

ACCESSION NUMBER: 2004:5939 IMSDRUGNEWS
TITLE: ALBUGON Human Genome Sciences licensing agreement
GlaxoSmithKline licensing agreement Human Genome Sciences
preclinical data
R&D Focus Drug News (22 Nov 2004).

SOURCE:

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=> s 11
L4 42 L1

=> dup rem l4
DUPLICATE IS NOT AVAILABLE IN 'DGENE, ADISINSIGHT, IMRESEARCH, PHAR,
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L5 42 DUP REM L4 (0 DUPLICATES REMOVED)

=> d 15 bib ab 1-42
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format requested. Refer to file specific help messages or the
STNGUIDE file for information on formats available in individual
files.

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L5 ANSWER 1 OF 42 CAPIUS COPYRIGHT 2005 ACS on STN
AN 2005:34855 CAPIUS
DN 142:141240

TI Albumin fusion proteins for stabilization of therapeutic proteins in

storage

IN Haseltine, William A.; Rosen, Craig A.

PA Human Genome Sciences, Inc., USA

SO PCT Int. Appl., 884 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| PI WO 2005003296 | A2 | 20050113 | WO 2004-US1369 | 20040120 |
| W: | A3 | 20050421 | | |
| AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VN, YU, ZA, ZM, ZW | | | | |

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2003-441305P P 20030122
US 2003-453201P P 20030311
US 2003-467222P P 20030502
US 2003-472816P P 20030523
US 2003-476267P P 20030606
US 2003-503172P P 20030924
US 2003-506746P P 20030930

L5 ANSWER 2 OF 42 PROMT COPYRIGHT 2005 Gale Group on STN

ACCESSION NUMBER: 2004:682453 PROMT

TITLE: ALBUGON Human Genome Sciences licensing agreement
GlaxoSmithKline licensing agreement Human Genome Sciences
preclinical data. (Brief Article)

SOURCE: R & D Focus Drug News, (22 Nov 2004) .

ISSN: ISSN: 1350-1135.

PUBLISHER: IMSworld Publications Ltd.

DOCUMENT TYPE: Newsletter

LANGUAGE: English

WORD COUNT: 212

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L5 ANSWER 3 OF 42 PROMT COPYRIGHT 2005 Gale Group on STN

ACCESSION NUMBER: 2004:647355 PROMT

TITLE: GSK licenses Human Genome Sci's Albugon. (GlaxoSmithKline
PLC, Human Genome Sciences) (Brief Article)

SOURCE: Pharma Marketletter, (1 Nov 2004) .

ISSN: ISSN: 1355-8501.

PUBLISHER: Marketletter Publications Ltd.

DOCUMENT TYPE: Newsletter

LANGUAGE: English

WORD COUNT: 163

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L5 ANSWER 4 OF 42 IMSDRUGNEWS COPYRIGHT 2005 IMSWORLD on STN

ACCESSION NUMBER: 2004:5939 IMSDRUGNEWS

TITLE: ALBUGON Human Genome Sciences licensing agreement
GlaxoSmithKline licensing agreement Human Genome Sciences
preclinical data

SOURCE: R&D Focus Drug News (22 Nov 2004) .

WORD COUNT: 169

L5 ANSWER 5 OF 42 DRUGU COPYRIGHT 2005 THE THOMSON CORP on STN

AN 2005-01408 DRUGU B P E

TI A recombinant human glucagon-like peptide (GLP)-1-albumin protein
(albugon) mimics peptidergic activation of GLP-1 receptor-dependent
pathways coupled with satiety, gastrointestinal motility, and glucose
homeostasis.

AU Baggio L L; Huang Q; Brown T J; Drucker D J

CS Univ.Toronto

LO Toronto, Ont., Canada

SO Diabetes (53, No. 9, 2492-500, 2004) 6 Fig. 39 Ref.

AV CODEN: DIAE2Z ISSN: 0012-1797
Toronto General Hospital, Banting and Best Diabetes Centre, 200 Elizabeth St., M5R4R-402, Toronto, Canada M5G 2C4. (D.J.D.). (e-mail: d.drucker@utoronto.ca).

LA English
DT Journal
FA AB; LA; CT
FS Literature

L5 ANSWER 6 OF 42 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:571103 CAPLUS

DN 139:122690

TI Albumin fusion proteins for prolonged shelf-life of therapeutic proteins
IN Ballance, David James; Turner, Andrew John; Rosen, Craig A.; Haseltine, William A.

PA Human Genome Sciences, Inc., USA; Delta Biotechnology Limited; Principia Pharmaceutical Corporation

SO PCT Int. Appl., 598 pp.

DT Patent

LA English

FAN.CNT 2

PATENT NO.

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, NZ, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, NZ, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

CA 2471363

EP 1463751

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

JP 200514060

US 2001-341811P

US 2002-350358P

US 2002-351360P

US 2002-359370P

US 2002-360000P

US 2002-367500P

US 2002-370227P

US 2002-378950P

US 2002-382617P

US 2002-383123P

US 2002-385708P

US 2002-394625P

US 2002-398008P

US 2002-402131P

US 2002-402708P

US 2002-402708P

US 2002-402708P

US 2002-402708P

US 2002-402708P

US 2002-402708P

US 2002-402708P

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US 2002-402708P

US 2002-411355P

US 2002-411426P

US 2002-414984P

US 2002-417611P

US 2002-420246P

US 2002-423623P

US 2002-423623P

US 2002-423623P

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US 2002-411426P

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US 2002-417611P

US 2002-420246P

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US 2002-423623P

US 2002-423623P

US 2002-423623P

US 2002-423623P

US 2002-423623P

US 2002-423623P

US 2002-423623P

DN PREV200300460169

TI Elucidation of sites transducing anorectic GLP-1R signals through determination of the central and peripheral actions of Albugon, a novel recombinant ***albumin*** - ***GLP*** - ***i*** ***fusion*** protein.

AU Baggio, Laurie [Reprint Author]; Brown, Theodore [Reprint Author]; Huang, Qingling [Reprint Author]; Drucker, Daniel [Reprint Author]

CS Toronto, ON, Canada

SO Diabetes, (2003) Vol. 52, No. Supplement 1, pp. A321. print. Meeting Info.: 63rd Scientific Sessions of the American Diabetes Association. New Orleans, LA, USA. June 13-17, 2003. American Diabetes Association.

DI ISSN: 0012-1797 (ISSN print).

DT Conference; (Meeting)

LA Conference; Abstract; (Meeting Abstract)

ED Conference; (Meeting Poster)

LA English

ED Entered STN: 8 Oct 2003

LA Last Updated on STN: 8 Oct 2003

L5 ANSWER 9 OF 42 DRUGU COPYRIGHT 2005 THE THOMSON CORP on STN

AN 2003-39076 DRUGU P E

TI Elucidation of sites transducing anorectic GLP-1 signals through determination of the central and peripheral actions of Albugon, a novel recombinant ***albumin*** - ***GLP*** - ***i*** ***fusion*** protein.

AU Baggio L; Brown T; Huang Q; Drucker D

LO Toronto, Ont., Can.

SO Diabetes (52, Suppl. 1, A321, 2003)

CODEN: DIAE2Z ISSN: 0012-1797

AV No Reprint Address.

LA English

DT Journal

FA AB; LA; CT

FS Literature

L5 ANSWER 10 OF 42 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:449715 CAPLUS

DN 137:28591

TI Preparation of GLP-1 fusion proteins for use in treating diabetes mellitus and other conditions

IN Glaesner, Wolfgang; Micanovic, Radmilla; Tschang, Sheng-Hung Rainbow

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 200 pp.

DT Patent

LA English

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2002046227 | A2 | 20020613 | WO 2001-US43165 | 20011129 |
| WO 2002046227 | A3 | 20030424 | | |
| W: AO, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PA, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UG, UZ, VN, YU, ZA, ZM, ZW | | | | |

US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GR, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2434237 CA 2001-2434237 20011129

AU 2002026897 AU 2002-26897 20011129

EP 1355942 A2 20031029 EP 2001-995845 20011129

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004528014 T2 20040916 JP 2002-547963 20011129

ZA 2003003642 A 20040812 ZA 2003-3642 20030512

US 2004053370 A1 20040318 US 2003-433108 20030529

NO 2003002565 A 20030801 NO 2003-2565 20030605

PRAI US 2000-251954P P 20001207

WO 2001-US43165 W 20011129

OS MARPAT 137:28591

L5 ANSWER 11 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN ADH21627 protein DGENE

TI New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.

IN Rosen C A; Haseltine W A

PA (HUMA-N) HUMAN GENOME SCI INC. 999

PI WO 2003059934 A2 20030724

AI WO 2002-US40892 20021223

PRAI US 2001-341811P 20021221

US 2002-350358P 20020124

US 2002-359370P 20020226

US 2002-360000P 20020228

US 2002-367500P 20020327

US 2002-370227P 20020408

US 2002-378950P 20020510

US 2002-398008P 20020724

US 2002-402131P 20020809

US 2002-402708P 20020813

US 2002-411355P 20020918

US 2002-414984P 20021002

US 2002-417611P 20021011

US 2002-420246P 20021023

US 2002-423623P 20021105

DT Patent

LA English

OS 2003-598501 [56]

DESC Human ***albumin*** / ***GLP*** - ***i*** (7-36)x2 ***fusion*** protein, SEQ ID NO:424.

L5 ANSWER 12 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN ADH21812 protein DGENE

TI New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.

IN Rosen C A; Haseltine W A

PA (HUMA-N) HUMAN GENOME SCI INC. 999

PI WO 2003059934 A2 20030724

AI WO 2002-US40892 20021223

PRAI US 2001-341811P 20021221

US 2002-350358P 20020124

US 2002-359370P 20020226
 US 2002-36000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))x2
 fusion protein, SEQ ID NO:609.

L5 ANSWER 13 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21334 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI WO 2002-US40892 20021223
 PRAI US 2001-341811P 20011221
 US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-36000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
 fusion protein, SEQ ID NO:131.

L5 ANSWER 14 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21802 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI WO 2002-US40892 20021223
 PRAI US 2001-341811P 20011221

US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-36000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
 fusion protein, SEQ ID NO:599.

L5 ANSWER 15 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21826 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI WO 2002-US40892 20021223
 PRAI US 2001-341811P 20011221
 US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-36000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
 fusion protein, SEQ ID NO:623.

L5 ANSWER 16 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21817 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI WO 2002-US40892 20021223

PRAI US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:614.
L5 ANSWER 17 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21815 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.
IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC. 999
PI WO 2003059934 A2 20030724
PRAI US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:612.
L5 ANSWER 18 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21623 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.
IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC. 999
PI WO 2003059934 A2 20030724
PRAI US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:612.
L5 ANSWER 19 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21333 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.
IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC. 999
PI WO 2003059934 A2 20030724
PRAI US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:130.
L5 ANSWER 20 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21804 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.
IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC.

999

PI WO 2003059934 A2 20030724
AI WO 2002-US40892 20021223
PRAI US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:601.

L5 ANSWER 21 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21625 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.

IN Rosen C A; Haseltine W A

PA (HUMA-N) HUMAN GENOME SCI INC.

PI WO 2003059934 A2 20030724 999

AI US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (9-36) ***fusion***
protein, SEQ ID NO:422.

L5 ANSWER 22 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21335 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.

IN Rosen C A; Haseltine W A

999

PA (HUMA-N) HUMAN GENOME SCI INC.
PI WO 2003059934 A2 20030724
AI WO 2002-US40892 20021223
PRAI US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:132.

L5 ANSWER 23 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21816 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.

IN Rosen C A; Haseltine W A

PA (HUMA-N) HUMAN GENOME SCI INC.

PI WO 2003059934 A2 20030724 999

AI WO 2002-US40892 20021223
US 2001-341811P 20011221
US 2002-350358P 20020124
US 2002-359370P 20020226
US 2002-360000P 20020228
US 2002-367500P 20020327
US 2002-370227P 20020408
US 2002-378950P 20020510
US 2002-398008P 20020724
US 2002-402131P 20020809
US 2002-402708P 20020813
US 2002-411355P 20020918
US 2002-414984P 20021002
US 2002-417611P 20021011
US 2002-420246P 20021023
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:613.

L5 ANSWER 24 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21622 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for
treating diabetes mellitus.

IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC. 999
PI WO 2003-598501 [56]
AI WO 2002-370274 A2 20030724 20011223
PRAI US 2001-341811P 20020124
US 2002-350358P 20020226
US 2002-359370P 20020228
US 2002-360000P 20020327
US 2002-367500P 20020408
US 2002-370277P 20020510
US 2002-378950P 20020724
US 2002-402131P 20020813
US 2002-402708P 20020918
US 2002-411355P 20021002
US 2002-414984P 20021011
US 2002-417611P 20021023
US 2002-420246P 20021105
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:419.

L5 ANSWER 25 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH22037 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.

IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC. 999
PI WO 2003-598501 [56]
AI WO 2002-370274 A2 20030724 20011223
PRAI US 2001-341811P 20020124
US 2002-350358P 20020226
US 2002-359370P 20020228
US 2002-360000P 20020327
US 2002-367500P 20020408
US 2002-370277P 20020510
US 2002-378950P 20020724
US 2002-402131P 20020813
US 2002-402708P 20020918
US 2002-411355P 20021002
US 2002-414984P 20021011
US 2002-417611P 20021023
US 2002-420246P 20021105
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Mouse ***albumin*** /human ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:834.

L5 ANSWER 26 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21628 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.

IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC. 999
PI WO 2003-598501 [56]
AI WO 2002-370274 A2 20030724 20011223
PRAI US 2001-341811P 20020124
US 2002-350358P 20020226
US 2002-359370P 20020228
US 2002-360000P 20020327
US 2002-367500P 20020408
US 2002-370277P 20020510
US 2002-378950P 20020724
US 2002-398008P 20020813
US 2002-402131P 20020918
US 2002-402708P 20020918
US 2002-411355P 20021002
US 2002-414984P 20021011
US 2002-417611P 20021023
US 2002-420246P 20021105
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Mouse ***albumin*** /human ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:834.

L5 ANSWER 27 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21814 protein DGENE
TI New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.

IN Rosen C A; Haseltine W A
PA (HUMA-N) HUMAN GENOME SCI INC. 999
PI WO 2003-598501 [56]
AI WO 2002-370274 A2 20030724 20011223
PRAI US 2001-341811P 20020124
US 2002-350358P 20020226
US 2002-359370P 20020228
US 2002-360000P 20020327
US 2002-367500P 20020408
US 2002-370277P 20020510
US 2002-378950P 20020724
US 2002-398008P 20020813
US 2002-402131P 20020918
US 2002-402708P 20020918
US 2002-411355P 20021002
US 2002-414984P 20021011
US 2002-417611P 20021023
US 2002-420246P 20021105
US 2002-423623P 20021105
DT Patent
LA English
OS 2003-598501 [56]
DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
fusion protein, SEQ ID NO:425.

L5 ANSWER 28 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADH21777 protein DGENE

TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC. 999
 PI WO 2003059934 A2 20030724
 AI WO 2002-US40892 20021223
 PRAI US 2001-341811P 20011221
 US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
 fusion protein, SEQ ID NO:574.

L5 ANSWER 29 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21813 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC. 999
 PI WO 2003059934 A2 20030724
 AI WO 2002-US40892 20021223
 PRAI US 2001-341811P 20011221
 US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))
 fusion protein, SEQ ID NO:610.

L5 ANSWER 30 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN ADH21332 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC. 999
 PI WO 2003059934 A2 20030724
 AI WO 2002-US40892 20021223
 PRAI US 2001-341811P 20011221
 US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36) ***fusion***
 protein, SEQ ID NO:129.

L5 ANSWER 31 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21650 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC. 999
 PI WO 2003059934 A2 20030724
 AI WO 2002-US40892 20021223
 PRAI US 2001-341811P 20011221
 US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-398008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(ABG))x2
 fusion protein, SEQ ID NO:447.

L5 ANSWER 32 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21626 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI US 2001-341811P 20021223
 PRAI US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-396008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(AGS))
 fusion protein, SEQ ID NO:423.

L5 ANSWER 33 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21624 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI US 2001-341811P 20021223
 PRAI US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-396008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36)x2 ***fusion***
 protein, SEQ ID NO:421.

L5 ANSWER 34 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21803 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI US 2001-341811P 20021223
 PRAI US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-396008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(AGG))
 fusion protein, SEQ ID NO:600.

L5 ANSWER 35 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN ADH21801 protein DGENE
 TI New albumin fusion protein, useful for preparing a composition for
 treating diabetes mellitus.
 IN Rosen C A; Haseltine W A
 PA (HUMA-N) HUMAN GENOME SCI INC.
 PI WO 2003059934 A2 20030724 999
 AI US 2001-341811P 20021223
 PRAI US 2002-350358P 20020124
 US 2002-359370P 20020226
 US 2002-360000P 20020228
 US 2002-367500P 20020327
 US 2002-370227P 20020408
 US 2002-378950P 20020510
 US 2002-396008P 20020724
 US 2002-402131P 20020809
 US 2002-402708P 20020813
 US 2002-411355P 20020918
 US 2002-414984P 20021002
 US 2002-417611P 20021011
 US 2002-420246P 20021023
 US 2002-423623P 20021105
 DT Patent
 LA English
 OS 2003-598501 [56]
 DESC Human ***albumin*** / ***GLP*** - ***1*** (7-36(AGG))x2

fusion protein, SEQ ID NO:598.

L5 ANSWER 36 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAE30918 Protein DGENE
TI Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an immunoglobulin -

IN Glaesner W; Micanovic R; Tschang S R
PA (ELIL) LILLY & CO ELI. 200
PI WO 2002046227 A2 20020613
AI WO 2001-US43165 20011129
PRAI US 2000-251954P 20001207
DT Patent
LA English

OS 2003-018534 [01]
DESC Gly8-Glu22- ***GLP*** - ***1*** -CEX-linker-human serum ***albumin*** protein.

L5 ANSWER 37 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAE30917 Protein DGENE
TI Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an immunoglobulin -

IN Glaesner W; Micanovic R; Tschang S R
PA (ELIL) LILLY & CO ELI. 200
PI WO 2002046227 A2 20020613
AI WO 2001-US43165 20011129
PRAI US 2000-251954P 20001207
DT Patent
LA English

OS 2003-018534 [01]
DESC Val8- ***GLP*** - ***1*** -linker-human serum ***albumin*** (HSA) ***fusion*** protein.

L5 ANSWER 38 OF 42 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAE30916 Protein DGENE
TI Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an immunoglobulin -

IN Glaesner W; Micanovic R; Tschang S R
PA (ELIL) LILLY & CO ELI.
PI WO 2002046227 A2 20020613
AI WO 2001-US43165 20011129
PRAI US 2000-251954P 20001207
DT Patent
LA English

OS 2003-018534 [01]
DESC Val8- ***GLP*** - ***1*** -human serum ***albumin*** (HSA) ***fusion*** protein.

L5 ANSWER 39 OF 42 ADISINSIGHT COPYRIGHT (C) 2005 Adis Data Information BV on STN

ACCESSION NUMBER: 2002:577 ADISINSIGHT
SOURCE: Adis Red Insight

DOCUMENT NO: 017488
CHANGE DATE: Oct 26, 2004
GENERIC NAME: Albumin/glucagon-like peptide-1
SYNONYM: ***Albumin/GLP-1; Albumin/glucagon-like peptide-1***

TRADE NAME: Albugon(TM)
MOLECULAR FORMULA: Unspecified
STRUCTURE: STRUCTURE DIAGRAM IS NOT AVAILABLE

EPHRA ATC CODE: A10X Other Drugs Used in Diabetes; ABA Anticobesity Preparations, Excluding Dietetics
WHO ATC CODE: A08A Anticobesity Preparations, Excl. Diet Products; A10X Other Drugs Used in Diabetes
HIGHEST DEV. PHASE: Preclinical

COMPANY INFORMATION
ORIGINATOR: Human Genome Sciences (United States)
PARENT: Human Genome Sciences
LICENSEE: GlaxoSmithKline

WORD COUNT: 442

L5 ANSWER 40 OF 42 IMSRESEARCH COPYRIGHT 2005 IMSWORLD on STN

ACCESSION NUMBER: 2004:1924 IMSRESEARCH
SOURCE: R&D Focus, (22 Nov 2004)
STATUS: New Drug
TRADE NAME: ALBUGON
STRUCTURE: STRUCTURE DIAGRAM IS NOT AVAILABLE

CLASSIFICATION: A10X Other Drugs Used in Diabetes; H4B Glucagon
HIGHEST DEV. PHASE: Preclinical (20)

COMPANY INFORMATION:

| Type | Company | Nationality | Region |
|------------|-----------------------|----------------|-----------|
| Originator | Human Genome Sciences | United States | |
| Licensor | GlaxoSmithKline | United Kingdom | Worldwide |

L5 ANSWER 41 OF 42 PHAR COPYRIGHT 2005 T&F Informa UK Ltd on STN
AN 22809 PHAR
DN 034053
CN Albugon
STA Active

CO Type |Company Name (Country) |Development Status

Originator|Human Genome Sciences (United States)|Preclinical

Licensor |GlaxoSmithKline (United Kingdom) |Preclinical

LN Therapy (CC) Pharmacology (PHCD) Status (DSTC)

| | | |
|------|-----------|----|
| T2Z | IGLP-1-AG | IP |
| A10B | IGLP-1-AG | IP |
| ABA3 | IGLP-1-AG | IP |

LCDAT 20041027: JB : Agreement with GlaxoSmithKline reported

STRUCTURE DIAGRAM IS NOT AVAILABLE

L5 ANSWER 42 OF 42 PHARMAML COPYRIGHT 2005 MARKETLETTER ON STN

AN 16740665 PHARMAML

TI GSK licenses Human Genome Sci's Albugon

SO Pharma Marketletter November 1, 2004

DT Newsletter

WC 163

=> log h

| | | |
|----------------------|------------------|---------------|
| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
| 162.45 | 162.45 | 203.68 |

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 16:57:59 ON 01 JUL 2005

SO Pharmaprojects. PJB Publications Ltd., Richmond, Surrey, UK

TX Albugon is a recombinant human ***glucagon*** - **like*** peptide-1 and ***albumin*** **fusion*** protein, which lowers blood glucose, under development by Human Genome Sciences (HGS) for the treatment of diabetes and obesity (Direct communication, HGS, 6 May 2003).

Marketing

GlaxoSmithKline has exclusive worldwide rights for all therapeutic and prophylactic applications, in return for an upfront fee, milestone payments and royalties.

Preclinical

It is in late preclinical studies (press release, HGS, 26 Oct 2004). In normal mice with impaired glucose tolerance, db/db mice and Zucker diabetic fatty rats, a single dose of Albugon restored near-normal glycaemic control over a 24hr period. In db/db mice, a strong correlation existed between Albugon plasma concentrations and response to oral glucose challenge. The intact molecule had a t1/2 of 11hr in mice and 3 days in monkeys (63rd Meet Am Diabetes Assoc (New Orleans), 2003, Abs 479). Updated by JB on 27/10/2004.

DSTA World: Preclinical

United States: Preclinical

CC T2Z Recombinant, other

A10B Antidiabetic

ABA3 Anorectic-Antiobesity

CT Indication: Diabetes, general (Preclinical); Obesity (Preclinical)

GEN LOCUSID: 2641. Target Gene: glucagon

Synonyms: GCG; GLP1; GLP2; GRPP; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related peptide

ORGM BI-PT-R (Biological, peptide, recombinant)

RTE UN (Unknown)

RDAT 20041027 RTE #Actual; Development Continuing

20041026 #Actual; New Licensees GlaxoSmithKline

20041014 #Actual; No Development Reported

20030306 #Estimated; New Indication Obesity

20030306 #Estimated; New Therapeutic Activity Anorectic/Antiobesity (ABA3)

20030306 #Estimated; Pharmacology Identified Glucagon-like peptide 1 agonist (GLP-1+)

20020303 #Actual; New Product in Pharmaprojects

NRAT 1:Novelty Rating - All Preclinical

MRAT 3:Market Rating - US\$ 2001-5000 million

SRAT 1:Speed Rating - Development not started

TRAT 0:Total Rating - Total Rating unavailable

PHCD GLP-1-AG; Glucagon-like peptide 1 agonist; Receptor, Hormonal, Glucagonlike peptide 1 agonist; GLP-1 agonist; R-H-GLP-1-AG; R-1; R-H-GLP; R-H-GLP-1; R-H-GLP-1-AG; R-GLP; R-GLP-1-AG; R-1-AG; R-1-AG; R-AG; H; H-GLP; H-GLP-1; H-GLP-1-AG; H-1; H-1-AG; H-AG; GLP; GLP-1; GLP-1-AG; GLP-AG; 1; 1-AG; R-H-GLP-AG; R-GLP-AG; H-GLP-AG; R-H-AG.